

R E S T R I C T E D

HEADQUARTERS
MEDITERRANEAN THEATER OF OPERATIONS
UNITED STATES ARMY
Office of the Surgeon
APO 512

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MEDICAL
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CIRCULAR LETTER NO. 11

Subject: Biologicals and Related Items.

The following publications are rescinded and the instructions below are substituted therefor:

Circular Letters, Office of the Surgeon, Hq. MTOUSA (NATOUA)

<u>Section</u>	<u>No.</u>	<u>Year</u>
VI	53	1943
III	29	1944
III	57	1944

Technical Medical Bulletins, Hq. COMZONE (SOS NATOUA)

All	1	1944
II	7	1944
III	10	1944
IX	15	1944
II & III	17	1944
V	19	1944

1. Expiration Dates. Extension of the expiration dates which are given below are predicated upon the fact that the products have been stored at the indicated temperatures or conditions. Under proper conditions of storage the items are usable beyond the expiration date as indicated.

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>STORAGE CODE*</u>	<u>ALLOWABLE POST EXPIRATION TIME</u>	<u>REMARKS</u>
1175300	Epinephrine hydrochloride injection, 12 Ampules:	f	Unlimited	Slight discoloration not harmful
1232500	Insulin, protamine Zinc, 10 cc:	e	Nil	See Par. 3c
1233000	Insulin injection, U-20, 10 cc:	e	Nil	See Par. 3c
1233500	Insulin injection, U-20, 10 cc:	e	Nil	See Par. 3c
1233500	Liver purified extract:	e	Unlimited	
1352505	Pitressin, 100 0.5-cc ampules:	e	---	Good for 2 yrs. after mfg. date

ITEM NO.	DESCRIPTION	STORAGE CODE	ALLOWABLE POST EXPIRATION TIME	REMARKS
1352510	Pitressin, 100 1-cc ampules:	e	---	Good for 2 yrs. after mfg. date
1353000	Pituitary solution, posterior lobe, 6 ampules:	e	---	Good for 2 yrs. after mfg. date
1489500	Tuberculin, first test strength, 10 doses:	e	6 months	
1489600	Tuberculin, second test strength, 10 doses:	e	6 months	
1584000	Antianthrax serum, human, Lyophilized 50 cc:	e	30 days	
1585000	Antitoxin, dysentery, monovalent, shiga 20,000 units:	e	30 days	
1590000	Antimeningococcic Serum 30 cc:	e	30 days	Limited Standard
1594001) to) 1594033) Incl)	Antipneumococcic Serum Typing:	e	30 days	
1594201) to) 1594233) Incl)	Antipneumococcic Serum Typing:	e	30 days	
1595001) to) 1595006) Incl)	Antipneumococcic Serum Typing, Mixture:	e	30 days	
1595201) to) 1595206) Incl)	Antipneumococcic Serum Typing, Mixture	e	30 days	
1600200	Antipneumococcic Serum Type I, 50,000 Units:	e	30 days	Limited Standard
1600600	Antipneumococcic Serum Type II, 50,000 Units:	e	30 days	Limited Standard
1600700	Antipneumococcic Serum Type III, 50,000 Units:	e	30 days	Limited Standard
1600800	Antipneumococcic Serum Type V, 50,000 Units:	e	30 days	Limited Standard
1600900	Antipneumococcic Serum Type VII, 50,000 Units:	e	30 days	Limited Standard
1601100	Antipneumococcic Serum Type VIII, 50,000 Units:	e	30 days	Limited Standard
1601500	Cholera Vaccine, 20 cc:	e	60 days	
1602000	Diphtheria, Antitoxin, USP, 20,000 Units:	e	30 days	See Par. 3b
1603000	Diphtheria, Toxin-Schick Test Material:	e	30 days	

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<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>STORAGE CODE</u>	<u>ALLOWABLE POST EXPIR- ATION TIME</u>	<u>REMARKS</u>
1603100	Diphtheria toxin, Schick test control, 50 tests:	e	30 days	
1604000	Diphtheria Toxoid, USP, Alum Precipitated:	e	60 days	
1604100	Diphtheria, Toxoid plain:	e	60 days	
1605005	Gas Gangrene, Antitoxin, Poly w/o Tetanus Antitoxin:	e	Nil	
1605010	Gas Gangrene antitoxin, bivalent:	e	Nil	
1605015	Gas Gangrene antitoxin, polyvalent:	e	Nil	
1605500	Immune Serum globulin (human) 5 cc:	e	Nil	See Par. 3c
1605900	Influenza virus vaccine types A and B, 30 doses:	e	Nil	See Par. 3c
1606500	Normal serum albumin (human), concentrated:	f	Unlimited	
1606800	Penicillin, sodium, 100,000 Oxford Units:	e	---	See par. 2
1607000	Plague Vaccine, 20 cc:	e	60 days	
1607500	Poison Ivy, Ext, NNR, Therapeutic 5 cc:	e	90 days	
1607600	Poison Oak Ext, NNR, Therapeutic 5 cc:	e	90 days	
1608100	Scarlet Fever, Streptococcus Anti- toxin, Therapeutic, USP:	e	30 days	
1608200	Scarlet Fever, Streptococcus, Toxin, for pick Test, USP:	e	30 days	
1608300	Scarlet Fever, Streptococcus, Toxin, USP:	e	30 days	
1608400	Scarlet Fever streptococcus toxin, 5 vials:	e	Nil	
1608500	Serum, grouping, blood, Anti-A, 25 tests:	e	Nil	
1608600	Serum, grouping, blood, Anti-B, 100 tests:	e	Nil	
1608700	Serum, grouping, blood, Anti-B, 25 tests:	e	Nil	
1608800	Plasma, normal human, dried, 500 cc:	c	Unlimited	
1608900	Plasma, normal human, dried, 250 cc:	c	Unlimited	
1609000	Smallpox vaccine, 10 tubes:	d	Nil for US troops	60 days after expiration date for POW use only- See Par. 3b.
1611000	Tetanus antitoxin, 1,500 units:	e	30 days	
1612000	Tetanus antitoxin, 20,000 units:	e	30 days	See Par. 3b
1612500	Tetanus toxoid, plain, 1 cc:	c	60 days	
1612700	Tetanus toxoid, plain, 30 cc:	e	60 days	
1612800	Typhus vaccine, 20 cc:	e	60 days	
1613000	Yellow fever vaccine, 20-dose (1-cc) ampule:	d	Nil	
1613200	Yellow fever vaccine, 100-dose (5-cc) ampule:	d	Nil	
1613600	Antianthrax serum, veterinary, 50 cc:	e	60 days	

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<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>STORAGE CODE</u>	<u>ALLOWABLE POST EXPIRATION TIME</u>	<u>REMARKS</u>
1613700	Antianthrax serum, veterinary, 100 cc:	e	30 days	
1615000	Tetanus toxoid, plain, veterinary, 50 cc:	e	60 days	
1700000	Amboceptor, antisheep, hemolysin, 5 cc:	e	Unlimited	Stored & issued by Med. Lab. See Par. 4
1701500	Antigen, bacterial, 5 cc:	e	60 days	Stored & issued by Med. Lab. See Par. 4
1702000	Antigen, syphilis complement fixa- tion test, 5 cc:	a	90 days	Stored & issued by Med. Lab. See Par. 4
1703000	Antigen for Kahn test, 50 cc:	a	Unlimited	
1703300	Antigen, lymphogranuloma venereum, 10 tests:	e	30 days	
1703400	Complement, guinea pig, lyophilized, 7 cc:	e	Unlimited	Stored & issued by Med. Lab. See Par. 4
1705000	Serum, agglutinating, diagnostic, 1 cc:	e	90 days	Stored & issued by Med. Lab. See Par. 4
1730000	Vaccine, triple typhoid, prophylactic, 50 cc:	e	120 days	
1731000	Culture:	e	Unlimited	Stored & issued by Med. Lab. See Par. 4
1731500	Dextrose, 50% Solution, 50 cc:	c	Unlimited	
1732300	Antigen, bovine contagious abortion, concentrated, 20 cc:	e	60 days	
1732500	Antigen, bovine contagious abortion, 20 cc:	e	60 days	
1733000	Antigen, glanders, 30 cc:	e	60 days	
1734000	Antigen, infectious abortion, 30 cc:	e	60 days	
1735000	Mallein intradermic:	e	60 days	
1737000	Tuberculin intradermic, veterinary:	e	90 days	
1739300	Vaccine, equine encephalomyelitis, bivalent, 25 cc:	e	Nil	
1739500	Vaccine, equine infectious abortion, 10 cc:	e	Nil	
1750000	Phenol red indicator set, pH 6.8 to 8.4:	b	Unlimited	
1750200	Phenol red indicator solution, 0.2%, 50 cc:	b	Unlimited	
1750400	Phenol red individual color standard:	b	Unlimited	
1750800	Distilled water tube:	c	Unlimited	
1751000	Bromthymol blue indicator set, pH 6.0 to 7.6:	b	Unlimited	
1751200	Bromthymol blue indicator solution, 0.4%, 50 cc:	b	Unlimited	
1751400	Bromthymol blue individual color standard:	b	Unlimited	

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ITEM NO.	DESCRIPTION	STORAGE CODE	ALLOWABLE POST EXPIR- ATION TIME	REMARKS
1803000	Vaccine, autogenous:	e	Nil	See Par. 4f
1804000	Vaccine, autogenous, veterinary:	e	Nil	See Par. 4f
1818000	Medium for blood culture, miscellaneous:	e	Unlimited	See Par. 4f
1819000	Medium for blood culture for Typhoid para-typhoid:	e	Unlimited	See Par. 4f
1820000	Medium for bacteriological examina- tion of exudate:	e	Unlimited	See Par. 4f
1821000	Loeffler's medium:	e	Unlimited	See Par. 4f
NS-1	Rabies Vaccine	e	Nil	
NS-1	Solution Hormone Progesterone	e	60 days	
NS-1	Kolmer Antigen	a	120 days	

- * a. Do Not Refrigerate.
- b. Keep in Dark - Refrigeration not Necessary.
- c. Item may be kept at Room Temperature, but Normal Refrigeration is not Harmful.
- d. Item Must be Frozen.
- e. Item Requires Normal Refrigeration (34° - 42°F).
- f. Keep Cool, Refrigeration not Required.

2. Penicillin. Evidence has accumulated that the stability of penicillin is much better than had been generally believed. The dating period of penicillin produced by various firms varies from one year down to three months but the vast bulk of all material received has a dating period of twelve months. Extensive tests have demonstrated that many batches of penicillin maintain practically full potency when stored at 37°C (98°F) for periods in excess of three months. This is not an indication that refrigeration is not desirable, and, in fact, definitely indicated whenever possible, but it may be interpreted as permitting use of penicillin far beyond the dating period without necessity for increasing the dosage, especially if the material has been refrigerated during storage. All dating periods are highly conservative. Although, as indicated above, the requirements for storage in ampules are less exacting than previously, it remains imperative that solutions be made up fresh, preferably each twenty-four hours and refrigerated.

3. Disposition of Expired Biologicals.

- a. Except as noted below, biologicals will be destroyed upon passing allowable extension periods. Depots will drop expired vaccines as a "stock adjustment".
- b. The following vaccines upon reaching allowable expiration date will be returned to Medical Depots by using organizations. Medical Depots will ship these vaccines to the Medical Supply Officer, 72nd Medical Base Depot Company: Mark For - Medical Supply Officer, Central Civilian Medical Depot:

ITEM NO.	DESCRIPTION
1602000	Diphtheria antitoxin, 20,000 units:
1609000	Smallpox vaccine, 10 tubes:
1612000	Tetanus antitoxin, 20,000 units:

- c. Upon reaching expiration date, the following items will be reported to the Surgeon MTOUSA for disposition:

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<u>ITEM NO.</u>	<u>DESCRIPTION</u>
1232500	Insulin, protamine Zinc, 10 cc:
1233000	Insulin injection, U-20, 10 cc:
1233500	Insulin injection, U-20, 10 cc:
1605500	Immune Serum globulin (human) 5 cc:
1605900	Influenza virus vaccine types A and B, 30 doses:

4. Supply of Biologicals.

a. The procedure indicated in the Medical Department Supply Catalog which directs the submission of requisitions to Army Medical Center and Service Command Laboratories, is not operative in this theater. Requisitions for Medical Department items of supply will, under no circumstances, be forwarded directly to the United States by individual organizations or base sections in this theater.

b. Except as indicated below, stocks of items in 1700000 series will be maintained in all Medical Supply Depots in this theater for issue on requisition to organizations in the same manner as for other Medical Supplies.

c. The items listed below will not be stocked in Medical Supply Depots but will be stored and issued by the 15th Medical General Laboratory. Requisitions from hospitals and other units will be filled by this laboratory.

Items stored

1700000	Amboceptor, Antisheep, Hemolysin, 5 cc:
1701500	Antigen, Bacterial, 5 cc:
1702000	Antigen, Syphilis Complement Fixation Tests, 5 cc:
1703400	Complement, Guinea Pig, Lyophilized, 7 cc:
1705000	Serum, Agglutinating, Diagnostic, 1 cc:
1731000	Culture:

d. Requisitions for stock replenishment for 15th Medical General Laboratory of items listed in par. 4c will be submitted monthly by the laboratory through the Base Section Surgeon, to reach this Headquarters by the 20th of each month. Stock on hand and quantity consumed during preceding month will be indicated on requisitions. Requisitions will be processed in this Headquarters and forwarded to the United States for shipment to the Base Section Surgeon, marked for the laboratory.

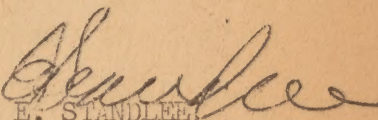
e. Requisitions for Fifth Army requirements for items listed in par. 4c, may be filled by 15th Medical General Laboratory, in accordance with instructions of Surgeon, Fifth Army.

f. Requisitions for items in 1800000 series may be supplied to units by the nearest General or Station Hospital Laboratory or Medical Laboratory, Army or General, as directed by Base Section or Army Surgeon.

For the SURGEON:

DISTRIBUTION:

Surgeon, PENBASE	- 300
Surgeon, NORBS	- 20
Hq. A/G of S	- 10
Surgeon, Adriatic Base Command	- 100
Surgeon, Fifth Army	- 600
Surgeon, AAFSC/MTC	- 700
Surgeon, Replacement Command	- 50
Surgeon, Rome Area Command	- 25
Surgeon, Hq. Command, AF	- 30
Surgeon, MTOUSA	- 300


E. STANDLEY
Colonel, M.C.,
Deputy Surgeon.